(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 6 January 2005 (06.01.2005)

(10) International Publication Number WO 2005/000076 A3

(51) International Patent Classification7:

B65D 81/34

(21) International Application Number:

PCT/GB2004/001566

(22) International Filing Date: 8 April 2004 (08.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0308099.1

8 April 2003 (08.04.2003)

- (71) Applicants (for all designated States except US): FFP PACKAGING SOLUTIONS LIMITED [GB/GB]; 1-7 Tenter Road, Moulton Park Industrial Estate, Northampton NN3 6PZ (GB). DUPONT TELJIN FILMS U.S. LIM-ITED PARTNERSHIP [US/US]; Building 27, Barley Mill Plaza, Routes 141 & 48, Wilmington, DE 19805 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MERCER, William [GB/GB]; 1-7 Tenter Road, Moulton Park Industrial Estate, Northampton NN3 6PZ (GB). JEFFELS, Pamela, Moira [GB/GB]; The old Post Office, 1 Blackacre, Courance, Lockerbie, Dumfriesshire DG11 1TR (GB).
- (74) Agents: GOODENOUGH, Nigel et al.; A.A. Thornton & Co., 235 High Holborn, London WC1V 7LE (GB).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB. GD. GE. GH. GM. HR. HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 24 February 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

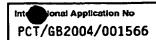
(54) Title: IMPROVEMENTS IN AND RELATING TO HEATING OF FOOD PRODUCTS

(57) Abstract: A method of providing a heated food product comprising: sealing a pre-formed portion of food of essentially uniform thickness into an envelope of a film material, and cooking or heating the product by placing the resultant package between the plates of a clam-shell heater. The film used for the package is of a type which will form a rugged seal at freezer or ambient temperatures but which will vent at elevated temperatures and pressures with the result that as the food product is heated and steam pressure develops within the envelope, the envelope will self-vent. The envelope is removed when the food product is served, either immediately after heating or after an appropriate dwell time.





INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B65D81/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 865D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/036518 A1 (CABLE KEVIN ET AL) 1 November 2001 (2001-11-01) paragraph '0017! - paragraph '0034!; figures	2,3,5-10
A	US 3 716 369 A (PERLMAN S) 13 February 1973 (1973-02-13) column 3, line 34 - column 5, line 2; figures; example 5	1,2,6,7
A	US 4 387 551 A (COWAN DAVID A) 14 June 1983 (1983-06-14) column 3, line 23 - column 4, line 55; figures	1-10

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the International filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
20 December 2004	29/12/2004
Name and malling address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	De Terlizzi, M



Interional Application No PCT/GB2004/001566

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Delivert to skip No.		
ategory °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US 5 464 969 A (MILLER GERALD) 7 November 1995 (1995-11-07) column 2, line 57 - column 5, line 63; figures	1,2		
A	WO 02/26493 A (DAWES MARK EDWARD; DUPONT TEIJIN FILMS U S LTD PA (US)) 4 April 2002 (2002-04-04) cited in the application the whole document	1,2		

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/001566

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2001036518	A1	01-11-2001	AU WO	6421099 A 0021854 A1	01-05-2000 20-04-2000
US 3716369	A	13-02-1973	US US US	3478952 A 3578239 A 3686823 A	18-11-1969 11-05-1971 29-08-1972
US 4387551	Α	14-06-1983	US	4261504 A	14-04-1981
US 5464969	Α	07-11-1995	NONE		
WO 0226493	A	04-04-2002	AU CN EP WO JP US	9010801 A 1466520 T 1322468 A1 0226493 A1 2004509789 T 2004052993 A1	08-04-2002 07-01-2004 02-07-2003 04-04-2002 02-04-2004 18-03-2004